

CLAIMS

1. A hydraulic transfer film comprising:

a substrate film containing a water-soluble or water-swellable resin;

a transfer layer which is hydrophobic and soluble in an organic solvent provided on the substrate film; and

a peelable film which can be peeled off at the interface with the transfer layer provided on the transfer layer, wherein

the transfer layer contains a curable resin layer which is curable by at least one of irradiation with radiation and heating.

2. The hydraulic transfer film according to claim 1, wherein the transfer layer comprises a curable resin layer provided on the substrate film and a decorative layer having a printing ink film or a coating film provided on the curable resin layer.

3. The hydraulic transfer film according to claims 1 or 2, wherein the radiation-curable resin layer has a radiation-curable resin having at least three (meth)acryloyl groups in a molecule, and a non-polymerizable thermoplastic resin having a glass transition temperature of 35 to 200°C which is

compatible with the radiation-curable resin.

4. The hydraulic transfer film according to claim 3, wherein the radiation-curable resin is polyurethane (meth)acrylate and the non-polymerizable thermoplastic resin is polymethacrylate.

5. The hydraulic transfer film according to claims 1 or 2, wherein the curable resin layer contains blocked isocyanate and polyol.

6. A method for producing the hydraulic transfer film by laying a film (I) comprising a hydrophobic curable resin layer which is curable by at least one of irradiation with radiation and heating and is soluble in an organic solvent provided on the substrate film containing a water-soluble or water-swellaable resin, and a film (II) comprising a hydrophobic decorative layer made of a printing ink film or a coating film which is soluble in an organic solvent provided on the peelable film one upon another so that the curable resin layer of the film (I) and the decorative layer of the film (II) face each other, and laminating them by dry lamination.

7. A method for producing a hydraulic transfer body, which

comprises comprising the steps of:

peeling the peelable film from the hydraulic transfer film of claim 1 or 2;

floating the hydraulic transfer film on the water surface so that the substrate film faces downward;

activating the transfer layer with an organic solvent;

transferring the transfer layer onto a body to be transferred;

removing the substrate film; and

curing the transfer layer by at least one of irradiation with radiation and heating.